

International application No.

PCT/1L03/00676

A. CLASSIFICATION OF SUBJECT MATTER IPC(7) : G08B 1/08: Hody 7/00 US CL : 340/39, 22					
According to International Patent Classification (IPC) or to both national classification and IPC					
B. FIELDS SEARCHED					
	cumentation searched (classification system follower	d by class	ification symbols)		
Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched					
Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)					
C. DOCUMENTS CONSIDERED TO BE RELEVANT					
Category *	Citation of document, with indication, where		e, of the relevant passages	Relevant to claim No.	
Y	US 5,656,996 A (HOUSER) 12 August 1997, Fig.	1		1-20	
Y	US 4,750,197 (DENEKAMP et al) 07 June 1988, Fig. 1			1-20	
Y	US 6,166,627 A (REELEY) 26 December 2000, entire document			7, 11, 15	
A	US 5,565,858 A (GUTHRIE) 15 October 1996, entire document			1-20	
A	US 5,691,980 A (WELLES, II et al) 25 November 1997, entire document			1-20	
A	US 6,055,426 A (BEASLEY) 25 April 2000, entire document			1-20	
				13.	
	documents are listed in the continuation of Box C.		See patent family annex.		
Special categories of cited documents:		"T"	later document published after the inte- date and not in conflict with the applic	ation but cited to understand the	
"A" document of particu	defining the general state of the art which is not considered to be lar relevance	•x•	principle or theory underlying the inve		
	plication or patent published on or after the international filing date	-*-	document of particular relevance; the considered novel or cannot be consider when the document is taken alone	claimed invention cannot be red to involve an inventive step	
"L" document which may throw doubts on priority claim(s) or which is cited to catablish the publication date of another citation or other special reason (as specified)		-Y-	"Y" document of particular relevance; the claimed invention earnest be considered to involve an inventive step when the document is		
"O" document referring to an oral disclosure, use, exhibition or other means			combined with one or more other such being obvious to a person skilled in the	documents, such combination art	
*P* document published prior to the international filing date but later than the priority date claimed		-&-	document member of the same patent	family	
Date of the actual completion of the international search		Date of mailing of the international search report			
25 November 2003 (25.11.2003)		12 DFC 2003 Authorized officer			
Name and mailing address of the ISA/US  Mail Stop PCT, Aun: ISA/US			sea officer		
Commissioner for Patents			Rugenia Logan Telephone No. 703-306-3004 General Sugar		
P.O. Box 1450 Alexandria, Virginia 22313-1450			ne No. 703-306-2006 9 lm	a joyan	
Facsimile No. (703) 305-3230				7/	



INTERNATIONAL SEARCH REPORT	
Continuation of B. FIELDS SEARCHED Item 1: 340/539, 22, 539.1, 426.19, 426.1, 428, 429, 426.16, 426.18, 426.2, 426.21, 42541, 545.1, 548, 545.6, 686.1, 687, 568.1, 571	5.28, 426.26, 539.13, 539.31, 539.32, 540, 542,

Form PCT/ISA/210 (second sheet) (July 1998)